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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/955,223

09/19/2001

Simon Riches

1509-218

8329

22879

7590

01/24/2008

HEWLETT PACKARD COMPANY

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INTELLECTUAL PROPERTY ADMINISTRATION

FORT COLLINS, CO 80527-2400

EXAMINER

CHAI, LONGBIT

ART UNIT

PAPER NUMBER

2131

NOTIFICATION DATE

DELIVERY MODE

01/24/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Notice of Allowability

Application No.

09/955,223

Examiner

Longbit Chai

Applicant(s)

RICHES ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/20/2007.
2. ☒ The allowed claim(s) is/are 90-98, 100-108, 110-117, 119-129 and 131.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

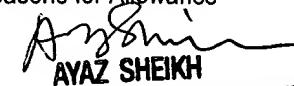
1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 12/13/2007.
7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

In view of Appeal Brief filed on 20 November 2007 and an authorization for this Examiner's Amendment given in a telephone interview with Randy A. Noranbrock (Reg. No. 42,940) on 13 December, 2007, the claimed subject matters are further distinctly pointed out as patentable features to place the application in the condition for allowance.

This application has been amended as follows:

IN THE CLAIMS

Cancel claims 1 – 89, 99, 109, 118 and 130.

Replace claim 131 as follows.

Claim 131

A method of recording data during successive data recording sessions on a data storage tape of a tape cartridge loaded in a tape drive, the sessions occurring at different times, the method comprising recording data in each recording session by:

positioning the tape prior to the start of the data recording session so the tape is positioned to a start point at the start of a data set to be recorded during the session;

after the session has started and during the data recording session, writing the data set to the tape;

after the data set has been written to the tape, issuing a reposition command to the tape drive so the tape is repositioned;

creating a code representative of the data in the data set that has been written during the recording session between the position command and the reposition command;

writing the code into a memory incorporated within the tape cartridge after the tape is repositioned, wherein the memory comprises a cartridge memory that differs from the tape;

in response to the code being written into the memory, incrementing a code counter indicating a count of the number of codes written into the memory; and

writing the count into a count field of the memory.

Allowable Subject Matter

Claims 90 – 98, 100 – 108 and 110 – 117, 119 – 129 and 131 are allowed.

The following is an examiner's statement of reasons for allowance:

The above mentioned claims are allowable over prior arts because the CPA (Cited Prior Art) of record fails to teach or render obvious the claimed limitations in combination with the specific added limitations recited in the independent claims.

The prior arts on record fail to teach or suggest an authentication method for establishing a connection between devices that can wirelessly communicate data such as (a) sending a first authentication-request message to another device to perform an authentication procedure with the other device to which a connection is wanted; (b) sending a predetermined message according to a current operation mode to the other device and storing the predetermined message when an authentication-response message to the first authentication-request message is received; wherein in the step (b), when the current operation mode is a pairing process, a message for generating a link key is sent as the predetermined message and stored, and when the current operation mode is not a pairing process, a message of connection-establishment-completion is sent as the predetermined message and stored; and the step (f) further comprises the sub-steps of: (f1) generating a link key before finishing the authentication procedure when the current operation mode is a pairing process; and (f2) finishing the authentication procedure

and establishing a connection to the other device when the current operation mode is not a pairing process.

A method of recording data during successive data recording sessions on a data storage tape of a tape cartridge loaded in a tape drive, the sessions occurring at different times, the method comprising, after the session has started and during the data recording session, writing the data set to the tape and after the data set has been written to the tape, issuing a reposition command to the tape drive so the tape is repositioned and creating a code representative of the data in the data set that has been written during the recording session between the position command and the reposition command; besides, writing the code into a memory incorporated within the tape cartridge after the tape is repositioned, wherein the memory comprises a cartridge memory that differs from the tape.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

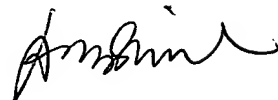
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Longbit Chai whose telephone number is 571-272-3788. The examiner can normally be reached on Monday-Friday 8:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Longbit Chai
Examiner
Art Unit 2131



AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100